

**Thursday, May 17, 2012** 

Attn: Mr. Darrick Jones Leggette, Brashears & Graham 6 Executive Drive Farmington CT 06030

Project ID: SATIN

Sample ID#s: BB85010 - BB85031

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/11/1210:35

Location Code: LBG-PCB Received by: SW

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u> SDG ID: GBB85010

Phoenix ID: BB85010

05/11/12

14:15

Project ID: SATIN

P.O.#:

Client ID: P-68 (5-6)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	85		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.39	mg/Kg	05/15/12		MH	3540C/8082
PCB-1221	ND	0.39	mg/Kg	05/15/12		MH	3540C/8082
PCB-1232	ND	0.39	mg/Kg	05/15/12		MH	3540C/8082
PCB-1242	ND	0.39	mg/Kg	05/15/12		MH	3540C/8082
PCB-1248	ND	0.39	mg/Kg	05/15/12		MH	3540C/8082
PCB-1254	2.8	0.39	mg/Kg	05/15/12		MH	3540C/8082
PCB-1260	ND	0.39	mg/Kg	05/15/12		MH	3540C/8082
PCB-1262	ND	0.39	mg/Kg	05/15/12		MH	3540C/8082
PCB-1268	ND	0.39	mg/Kg	05/15/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	100		%	05/15/12		MH	30 - 150 %
% TCMX	106		%	05/15/12		MH	30 - 150 %

Page 1 of 44 Ver 1

Client ID: P-68 (5-6)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Page 2 of 44 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB Rush Request: Standard

P.O.#:

**Custody Information** 

Collected by: Received by:

Analyzed by:

SW

see "By" below

05/11/12 10:36

05/11/12

Date

14:15

Time

**Laboratory Data** 

SDG ID: GBB85010 Phoenix ID: BB85011

SATIN Project ID:

P-68 (6-7) Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	84		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.39	mg/Kg	05/15/12		KCA	3540C/8082
PCB-1221	ND	0.39	mg/Kg	05/15/12		KCA	3540C/8082
PCB-1232	ND	0.39	mg/Kg	05/15/12		KCA	3540C/8082
PCB-1242	ND	0.39	mg/Kg	05/15/12		KCA	3540C/8082
PCB-1248	ND	0.39	mg/Kg	05/15/12		KCA	3540C/8082
PCB-1254	1.8	0.39	mg/Kg	05/15/12		KCA	3540C/8082
PCB-1260	ND	0.39	mg/Kg	05/15/12		KCA	3540C/8082
PCB-1262	ND	0.39	mg/Kg	05/15/12		KCA	3540C/8082
PCB-1268	ND	0.39	mg/Kg	05/15/12		KCA	3540C/8082
QA/QC Surrogates							
% DCBP	130		%	05/15/12		KCA	30 - 150 %
% TCMX	91		%	05/15/12		KCA	30 - 150 %

Page 3 of 44 Ver 1

Client ID: P-68 (6-7)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Page 4 of 44 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

**SOLID Location Code:** LBG-PCB

Rush Request: Standard

P.O.#:

Matrix:

**Custody Information** 

Collected by: Received by:

Analyzed by:

SW

see "By" below

05/11/12

Date

10:50

Time

05/11/12

14:15

**Laboratory Data** 

SDG ID: GBB85010 Phoenix ID: BB85012

SATIN Project ID:

P-63 (0-.3) Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	82		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	112		%	05/15/12		M/K	30 - 150 %
% TCMX	104		%	05/15/12		M/K	30 - 150 %

Page 5 of 44 Ver 1

Client ID: P-63 (0-.3)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Page 6 of 44 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

Time

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateMatrix:SOLIDCollected by:05/11/12

Matrix: SOLID Collected by: 05/11/12 10:51 Location Code: LBG-PCB Received by: SW 05/11/12 14:15

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBB85010

Phoenix ID: BB85013

Project ID: SATIN

P.O.#:

Client ID: P-63 (.3-.6)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	91		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	107		%	05/15/12		M/K	30 - 150 %
% TCMX	102		%	05/15/12		M/K	30 - 150 %

Page 7 of 44 Ver 1

Client ID: P-63 (.3-.6)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Page 8 of 44 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB Rush Request: Standard

P.O.#:

**Custody Information** 

Collected by: Received by:

SW

05/11/12 10:52

05/11/12

Date

14:15

Time

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBB85010 Phoenix ID: BB85014

SATIN Project ID:

Client ID: P-63 (1-2)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Extraction for PCB	89 Completed		%	05/12/12 05/12/12		JL MQ/XD	E160.3 SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	110		%	05/15/12		M/K	30 - 150 %
% TCMX	97		%	05/15/12		M/K	30 - 150 %

Page 9 of 44 Ver 1

Client ID: P-63 (1-2)

Parameter Result RL Units Date Time By Reference

#### **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 10 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/11/1210:53

Location Code: LBG-PCB Received by: SW 05/11/12 14:15

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u> SDG ID: GBB85010

Phoenix ID: BB85015

Project ID: SATIN

P.O.#:

Client ID: P-63 (2-3)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	74	1	%	05/15/12		KCA	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.44	mg/Kg	05/15/12		MH	3540C/8082
PCB-1221	ND	0.44	mg/Kg	05/15/12		MH	3540C/8082
PCB-1232	ND	0.44	mg/Kg	05/15/12		MH	3540C/8082
PCB-1242	ND	0.44	mg/Kg	05/15/12		MH	3540C/8082
PCB-1248	ND	0.44	mg/Kg	05/15/12		MH	3540C/8082
PCB-1254	ND	0.44	mg/Kg	05/15/12		MH	3540C/8082
PCB-1260	ND	0.44	mg/Kg	05/15/12		MH	3540C/8082
PCB-1262	ND	0.44	mg/Kg	05/15/12		MH	3540C/8082
PCB-1268	ND	0.44	mg/Kg	05/15/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	102		%	05/15/12		MH	30 - 150 %
% TCMX	104		%	05/15/12		MH	30 - 150 %

**Page 11 of 44** Ver 1

Client ID: P-63 (2-3)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 12 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information Custody Information Date Time

 Matrix:
 SOLID
 Collected by:
 05/11/12
 11:00

 Location Code:
 LBG-PCB
 Received by:
 SW
 05/11/12
 14:15

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data SDG ID: GBB85010

Phoenix ID: BB85016

Project ID: SATIN

Client ID: P-63 (5-6)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	84		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	105		%	05/15/12		M/K	30 - 150 %
% TCMX	99		%	05/15/12		M/K	30 - 150 %

**Page 13 of 44** Ver 1

Client ID: P-63 (5-6)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 14 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

P.O.#:

Custody Information

Collected by:
Received by: SW

Analyzed by:

see "By" below

05/11/12

Date

11:01

Time

05/11/12 14:15

<u>Laboratory Data</u>

SDG ID: GBB85010 Phoenix ID: BB85017

Project ID: SATIN

Client ID: P-63 (6-7)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	85		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	102		%	05/15/12		M/K	30 - 150 %
% TCMX	99		%	05/15/12		M/K	30 - 150 %

**Page 15 of 44** Ver 1

Client ID: P-63 (6-7)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 16 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

Time

14:15

6 Executive Drive Farmington CT 06030

**Sample Information Custody Information** Date Matrix: **SOLID** Collected by: 05/11/12 11:02

**Location Code:** LBG-PCB Received by: SW

Analyzed by: Rush Request: Standard see "By" below

> **Laboratory Data** SDG ID: GBB85010

Phoenix ID: BB85018

05/11/12

SATIN Project ID:

P.O.#:

P-63 (7-8) Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	86		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	99		%	05/15/12		M/K	30 - 150 %
% TCMX	87		%	05/15/12		M/K	30 - 150 %

Page 17 of 44 Ver 1

Client ID: P-63 (7-8)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 18 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/11/1211:15

Location Code: LBG-PCB Received by: SW 05/11/12 14:15

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u> SDG ID: GBB85010

Phoenix ID: BB85019

Project ID: SATIN

P.O.#:

Client ID: P-64 (0-.3)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	85		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	1.3	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	105		%	05/15/12		M/K	30 - 150 %
% TCMX	82		%	05/15/12		M/K	30 - 150 %

**Page 19 of 44** Ver 1

Client ID: P-64 (0-.3)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 20 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

<u>Sample Information</u> <u>Custody Information</u> <u>Date</u> <u>Time</u>

Matrix: SOLID Collected by: 05/11/12 11:16 Location Code: LBG-PCB Received by: SW 05/11/12 14:15

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data SDG ID: GBB85010

Phoenix ID: BB85020

Project ID: SATIN

Client ID: P-64 (.3-.6)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	90		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	107		%	05/15/12		M/K	30 - 150 %
% TCMX	81		%	05/15/12		M/K	30 - 150 %

**Page 21 of 44** Ver 1

Client ID: P-64 (.3-.6)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 22 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information Custody Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

P.O.#:

Collected by: 05/11/12 11:17

Received by: SW 05/11/12 14:15

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBB85010

Phoenix ID: BB85021

Time

Date

Project ID: SATIN

Client ID: P-64 (1-2)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	92		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.35	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.35	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.35	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.35	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.35	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.35	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.35	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.35	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.35	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	104		%	05/15/12		M/K	30 - 150 %
% TCMX	89		%	05/15/12		M/K	30 - 150 %

**Page 23 of 44** Ver 1

Client ID: P-64 (1-2)

Parameter Result RL Units Date Time By Reference

#### **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 24 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID Location Code: LBG-PCB

Rush Request: Standard

P.O.#:

Custody InformationDateCollected by:05/11/12Received by:SW05/11/12

Analyzed by: see "By" below

Laboratory Data

Phoenix ID: BB85022

SDG ID: GBB85010

Time

11:18

14:15

Project ID: SATIN

Client ID: P-64 (2-3)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	77		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.43	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.43	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.43	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.43	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.43	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.43	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.43	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.43	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.43	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	102		%	05/15/12		M/K	30 - 150 %
% TCMX	76		%	05/15/12		M/K	30 - 150 %

**Page 25 of 44** Ver 1

Client ID: P-64 (2-3)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 26 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information Custody Information** Date Time Matrix: **SOLID** Collected by: 05/11/12 11:30 05/11/12 14:15

**Location Code:** LBG-PCB Received by: SW

Analyzed by: Rush Request: Standard see "By" below P.O.#:

**Laboratory Data** SDG ID: GBB85010

Phoenix ID: BB85023

SATIN Project ID:

P-64 (5-6) Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Extraction for PCB	88 Completed		%	05/12/12 05/12/12		JL MQ/XD	E160.3 SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	115		%	05/15/12		M/K	30 - 150 %
% TCMX	90		%	05/15/12		M/K	30 - 150 %

Page 27 of 44 Ver 1

Client ID: P-64 (5-6)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 28 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID Location Code: LBG-PCB Rush Request: Standard

Rush Request: P.O.#:

<u>Custody Information</u>

Collected by: Received by:

Analyzed by:

SW

see "By" below

05/11/12

Date

11:31

05/11/12

14:15

Time

Laboratory Data

SDG ID: GBB85010

Phoenix ID: BB85024

Project ID: SATIN

Client ID: P-64 (6-7)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	89		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	119		%	05/15/12		M/K	30 - 150 %
% TCMX	101		%	05/15/12		M/K	30 - 150 %

**Page 29 of 44** Ver 1

Client ID: P-64 (6-7)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 30 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information Custody Information

Matrix: SOLID Collected by:

Matrix: SOLID Location Code: LBG-PCB

Rush Request: Standard

P.O.#:

Collected by: 05/11/12 11:32
Received by: SW 05/11/12 14:15

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBB85010

Time

Phoenix ID: BB85025

Date

Project ID: SATIN

Client ID: P-64 (7-8)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	89		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.37	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	102		%	05/15/12		M/K	30 - 150 %
% TCMX	89		%	05/15/12		M/K	30 - 150 %

**Page 31 of 44** Ver 1

Client ID: P-64 (7-8)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 32 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateMatrix:SOLIDCollected by:05/11/12

Matrix: SOLID Collected by: 05/11/12 11:33 Location Code: LBG-PCB Received by: SW 05/11/12 14:15

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBB85010

Phoenix ID: BB85026

Time

Project ID: SATIN

P.O.#:

Client ID: P-64 (8-9)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	81		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	1.4	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	112		%	05/15/12		M/K	30 - 150 %
% TCMX	105		%	05/15/12		M/K	30 - 150 %

**Page 33 of 44** Ver 1

Client ID: P-64 (8-9)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 34 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/11/1211:56

Location Code: LBG-PCB Received by: SW 05/11/12 14:15

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u> SDG ID: GBB85010

Phoenix ID: BB85027

Project ID: SATIN

P.O.#:

Client ID: P-66 (0-.3)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	87		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	3.4	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.38	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	91		%	05/15/12		M/K	30 - 150 %
% TCMX	100		%	05/15/12		M/K	30 - 150 %

**Page 35 of 44** Ver 1

Client ID: P-66 (0-.3)

Parameter Result RL Units Date Time By Reference

#### **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Page 36 of 44 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

**SOLID Location Code:** LBG-PCB

Standard

Rush Request:

P.O.#:

Matrix:

**Custody Information** 

Collected by: Received by:

Analyzed by:

SW

see "By" below

05/11/12 05/11/12

Date

11:51 14:15

Time

**Laboratory Data** 

SDG ID: GBB85010 Phoenix ID: BB85028

SATIN Project ID:

P-66 (.3-.6) Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	91		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	0.9	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	92		%	05/15/12		M/K	30 - 150 %
% TCMX	92		%	05/15/12		M/K	30 - 150 %

Page 37 of 44 Ver 1

Client ID: P-66 (.3-.6)

Parameter Result RL Units Date Time By Reference

#### **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 38 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information Custody Information

Matrix: SOLID Collected by:

Matrix: SOLID Location Code: LBG-PCB

Rush Request: Standard

P.O.#:

Collected by: 05/11/12 11:52
Received by: SW 05/11/12 14:15

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBB85010

Time

Phoenix ID: BB85029

Date

Project ID: SATIN

Client ID: P-66 (1-2)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	90		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	96		%	05/15/12		M/K	30 - 150 %
% TCMX	82		%	05/15/12		M/K	30 - 150 %

**Page 39 of 44** Ver 1

Client ID: P-66 (1-2)

Parameter Result RL Units Date Time By Reference

#### **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 40 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

P.O.#:

Custody Information

Collected by:

Received by: Analyzed by: SW

05/11/12 05/11/12

Date

11:53

Time

05/11/12 14:15

V

see "By" below

**Laboratory Data** 

SDG ID: GBB85010

Phoenix ID: BB85030

Project ID: SATIN

Client ID: P-66 (2-3)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	84		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	1.5	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.39	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	107		%	05/15/12		M/K	30 - 150 %
% TCMX	102		%	05/15/12		M/K	30 - 150 %

**Page 41 of 44** Ver 1

Client ID: P-66 (2-3)

Parameter Result RL Units Date Time By Reference

#### **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 42 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 17, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB Standard

Rush Request:

P.O.#:

**Custody Information** 

**Laboratory Data** 

Collected by: Received by:

Analyzed by:

SW

see "By" below

05/11/12 05/11/12

Date

11:54

Time

14:15

SDG ID: GBB85010

Phoenix ID: BB85031

SATIN Project ID:

P-66 (3-4) Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	83		%	05/12/12		JL	E160.3
Extraction for PCB	Completed			05/12/12		MQ/XD	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1221	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1232	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1242	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1248	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1254	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1260	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1262	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
PCB-1268	ND	0.4	mg/Kg	05/15/12		M/K	3540C/8082
QA/QC Surrogates							
% DCBP	94		%	05/15/12		M/K	30 - 150 %
% TCMX	96		%	05/15/12		M/K	30 - 150 %

Page 43 of 44 Ver 1

Client ID: P-66 (3-4)

Parameter Result RL Units Date Time By Reference

#### **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 17, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 44 of 44** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

May 17, 2012

### QA/QC Data

SDG I.D.: GBB85010

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	Rec Limits	RPD Limits
	Sample No: BB78096 (BB85010, B				, BB85	014, BB	85015,	BB85016	),
	5019, BB85020, BB85021, BB85022	, BB85023, BI	385024,	)					
Polychlorinated Biph									
PCB-1016	ND	106	117	9.9				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	104	102	1.9				40 - 140	30
PCB-1262	ND 							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	96	87	89	2.3				30 - 150	30
% TCMX (Surrogate Rec)	98	85	88	3.5				30 - 150	30
Comment:									
The batch MS and MSD reconsists within QA/QC limits.	overies could not be calculated due to the	presence of PC	B in the	unspiked	l sample	e. LCS/L	CSD rec	overies we	ere
QA/QC Batch 200589, QC	Sample No: BB85035 (BB85025, B	B85026, BB8!	5027, BI	B85028	, BB85	029, BB	85030,	BB85031	1)
Polychlorinated Biph	nenyls - Solid								
PCB-1016	ND	112	95	16.4	105	113	7.3	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	104	95	9.0	128	133	3.8	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	88	91	82	10.4	94	92	2.2	30 - 150	30
% TCMX (Surrogate Rec)	95	93	83	11.4	89	94	5.5	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD** - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria Intf - Interference Phyllis/Shiller, Laboratory Director

May 17, 2012

Thursday, May 17, 2012

# Sample Criteria Exceedences Report

eria Exceedences Report Page 1 of 1

Request	ed Criteria: GA	AM, RC				GBB85010					Factored	
SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	RL Criteria	Analysis Units
BB85010	LBG-PCB	\$PCB_SOXR	PCB-1254	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	2800	390	1000	1000	ug/Kg
BB85011	LBG-PCB	\$PCB_SOXR	PCB-1254	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	1800	390	1000	1000	ug/Kg
BB85019	LBG-PCB	\$PCB_SOXR	PCB-1260	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	1300	390	1000	1000	ug/Kg
BB85026	LBG-PCB	\$PCB_SOXR	PCB-1254	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	1400	400	1000	1000	ug/Kg
BB85027	LBG-PCB	\$PCB_SOXR	PCB-1260	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	3400	380	1000	1000	ug/Kg
BB85030	LBG-PCB	\$PCB_SOXR	PCB-1254	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	1500	390	1000	1000	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

### Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. Client: LBG-PCB Project Location: SATIN **Project Number:** Laboratory Sample ID(s): BB85010, BB85011, BB85012, BB85013, BB85014, BB85015, BB85016, BB85017, BB85018, BB85019, BB85020, BB85021, BB85022, BB85023, BB85024, BB85025, BB85026, BB85027, BB85028, BB85029, BB85030, **Sampling Date(s):** 5/11/2012 **RCP Methods Used:** ☐ 1311/1312
☐ 6010 ☐ EPH 7000 7196 7470/7471 8081 TO15 **✓** 8082 8270 9010/9012 □ VPH 8151 8260 ETPH For each analytical method referenced in this laboratory report package, were all ✓ Yes □ No specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP methodspecific Reasonable Confidence Protocol documents? Were the method specified preservation and holding time requirements met? ✓ Yes □ No EPH and VPH methods only: Was the VPH or EPH method conducted without 1b. ☐ Yes ☐ No **✓** NA significant modifications (see section 11.3 of respective RCP methods) 2. Were all samples received by the laboratory in a condition consistent with that ✓ Yes No. described on the associated Chain-of-Custody document(s)? Were samples received at an appropriate temperature (< 6 Degrees C)? 3. ✓ Yes □ No □ NA Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol 4. ✓ Yes □ No documents achieved? Were reporting limits specified or referenced on the chain-of-custody? 5a. ✓ Yes No. Were these reporting limits met? 5b. ✓ Yes □ No □ NA For each analytical method referenced in this laboratory report package, were results 6.  $\square$  NA ✓ Yes No reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? Are project-specific matrix spikes and laboratory duplicates included in the data set? 7. ☐ Yes **☑** No □ NA Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. Date: Thursday, May 17, 2012 Authorized Printed Name: Greg Lawrence Signature: Position: Assistant Lab Director



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

May 17, 2012

**SDG I.D.: GBB85010** 

#### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 05/14/12-1 (BB85010)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/14/2012

**Instrument:** Au-ecd5 05/14/12-1 (BB85011, BB85012, BB85013, BB85014, BB85016, BB85017,

BB85018, BB85019, BB85020, BB85021, BB85022, BB85023, BB85024, BB85025,

BB85026, BB85027, BB85028, BB85029, BB85030, BB85031)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa Position: Chemist Date: 5/14/2012

**Instrument:** Au-ecd7 05/15/12-1 (BB85010, BB85015)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/15/2012

**QC Comments:** QC Batch 00588 05/12/12 (BB85010, BB85011, BB85012, BB85013, BB85014,

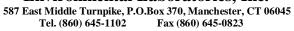
BB85015, BB85016, BB85017, BB85018, BB85019, BB85020, BB85021, BB85022,

BB85023, BB85024)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.









# **RCP Certification Report**

May 17, 2012

**SDG I.D.: GBB85010** 

<b>QC (Batch Specific)</b> Sample No: BB78096, QA/QC Batch: 200588
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Sample No: BB85035, QA/QC Batch: 200589
All LCS recoveries were within $40$ - $140$ with the following exceptions: None.
All LCSD recoveries were within $40$ - $140$ with the following exceptions: None
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

		ş																											
of Pg of کا		Towns thech				11/1/0	Mood is sold to	MOG / MOG	Those states to the second to													Data Format	Excel	GIS/Key	EQuIS Other	Data Packade	ASP-A NJ Reduced Deliv. *	NJ Hazsite EDD Phoenix Std Report Other	<u> </u>
Temp	Data Delivery:	Email:	Project P.O:	Phone #:	Fax #:		Politicis (S. C.	\$ \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			l		1				1		1		MA	MCP Cert.	6W-2	S-1	S. 2. 2. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	☐ MWRA eSMART ☐ Other	lected: CT	i
DY RECORD	370, Manchester, CT 06040	Fax (860) 645-0823 (0) 645-8726		کعینان عا	1																	Turnaround: CT/RI	1 Day*   X RCP Cert.	2 Days 3 Days*	Standard SW Protect.		* SURCHARGE K Res. Criteria APPLIES	State where samples were collected:	
CHAIN OF CUSTODY RECORD	587 East Middle Tumpike, P.O. Box 370, Manchester, CT 06040	Email: service@phoenixlabs.com Fax (860) 649  Client Services (860) 645-8726	Project: Satin	Report to: Descrick	Invoice to:		Analysis Request		Soc Social Services													Time:	ا اعادا د	3 HIS			× .	<u> </u>	
	587 Es	E		N.		ion	Date 5.11.7	O=other	Date Time Sampled Sampled	5-11-12	× 9801 71-11-5	X 000 X	<u>×</u> ডি	X درگاه	X 250	1100	X IOI	X ( <sup>6</sup> 0)1	XSII	X 9111	X 2111 7	ted by: Date:	Z-11-12	10 W	d				
		oratories, Inc.		EXECUTING DEINE	Fac mington, CT	Client Sample - Information - Identification		S=soil/solid A=air	Customer Sample Sample Identification Matrix	S-è)	8 (6-9)	(5.3)	(35.	(5-1)	(2-3)	P-645-6)	P-63(6-7)	P-63(2-8)	P-64(0-3)	1(.36)	4(1-2) 4	Accepted by	the 15/		) - -	or Regulations:			
(	HOEN	Environmental Laboratories,	15 <u>5</u> 136	و	Fire W.	Client Sample	er's	Matrix Code:  DW-drinking water  WW=wastewater  GW=groundwater  SL=sludge		0	85011 P-68(6-9)	85012 P-63(C-		85014 P-63(1-2)	85015 P-63(2-3)	85016 P.C3		85018 P-6	85019 P-6	35020 P.64(	85021 P-64	Relinguished by:		Hos Deller	% .	Comments, Special Requirements or Regulations			
,	1	En	Customer:	Address:			Sampler's Signature_	Matri DW= GW=	F R	8501	$\propto$	Ø	$\infty$	N.	86	100	8	Ø	8	Ø	85		I	1	•	Somm			

					CHAIN (	JF CUST	CHAIN OF CUSTODY RECORD	ORD		) dweL	( )
				587 Ea Em	ast Middle Tu ail: service@	East Middle Turnpike, P.O. Box 37 Email: service@phoenixlabs.com	Ō,	Manchester, CT 06040 Fax (860) 645-0823	21 —	Pata Delivery.	
	Environmen	Environmental Laboratories, 1	es, Inc.		Client	Services (	$\overline{}$	726	<u> </u>	Email: D	D James
	Customer: 236	2136, Inc			Project:	5みTエル	7 +		Project P.O:	P.O.	
	Address:	6 xecutie	Drive		Report to:	Berrick	٠, ١	;	Phone #:	#	
	<u> </u>	Face tog ten	5		Invoice to:				Fax #:		
	Clie	Client Sample - Information - Identification	n - Identification			/	1				OS.
	Sampler's Signature		Date		Analysis Request	36				Telejinsie	
	Matrix Code:  DW=drinking water GW=groundwater	WW=wastewater S=soi SL=sludge A=air	S=soil/solid O=other A=air		3	No. of the last of			\$ 50 \ \$0.0000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.0000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.0000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.0000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.0000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.000 \ \$0.00000 \ \$0.00000 \ \$0.0000 \ \$0.0000 \ \$0.0000 \ \$0.0000 \ \$0.0000 \ \$0.0000 \	\$ \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\$ \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	Phoenix Sample #	Customer Sample Identification	Sample Date Time Matrix Sampled Sampled	Time	B				\$1100 105 TE 105	SQUINTE SUGO	OCATION OF THE PORT OF THE POR
	85023	P.64(2-3)	1	X 8111							
	85023	P-64(5-6)		18							
	45028	P-64 (6-4)		1131							
	SECS	(8-t) h9-d		132							
	S5036	P-64 (8-4)	-	11 33							
	550a7	P-66(0-,3)		1156							
	85038	P-C6 (3c)		1121							
	82030	(E-1) 33-2		WEA							
	85030	P-66(2-3)		1153							
	85031	P-66 (3-4)	<b>→</b>	154 5							
	Relinquished	ı by:	Accepted by:	Date:		Time:	Turnaround:	CT/RI	MA		Data Form
	A Comment	1	11/2/11	らいっ		1200	1 Day*	RCP Cert. GW Protect.	MCP Cert.	j.	K Excel
	Choth.	The K	1 ( B.C.C.A.D.	15.1	1 C1	J 15	2 Days	X GA Mobility	GW-2		
				D			Standard	GB Mobility SW Protect.	GW-3 S-1		G E E Cult
	Comments, Special Re	Comments, Special Requirements or Regulations:	ons:				5	Res. Vol.	% % S-3 □□		Data Pack
							* SURCHARGE APPLIES	Res. Criteria	MWRA	MWRA eSMART Other	ASP-/
_								]	5		]

B Email: D Joines & LBC CT.C.

ō

Pg

Thought I have the second to t

OHITS STANDER TO THE OF

Nuos Stroen 12

Data Package
ASP-A
NJ Reduced Deliv. \*
NJ Hazsite EDD
Phoenix Std Report
Other

☐ MWRA eSMART ☐ Other

T

State where samples were collected:

Data Format

X Excel

S PDF

GIS/Key

COUIS

Other